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PUBLICATION DATE: October 8, 1985

Makeup Cosmetic Composition.

H6-71495 APPLICATION NO.

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March 18, 1894 FILING DATE

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ABSTRACT

does not have offiness or stickings when applied to the skin, and does not To offer a makeup cosmetic composition with a high of content, which clump together over time. OBJECT-

everage particle size of 1.0-15.0 µm are combined in the form of a powder. particle size of 1.0-15.0 µm and a non-porous spheroidal silics with an An organopolydionane elastomer spheroidal powder with an average CONSTITUTION .

CLAIMS

- A makeup cosmetic composition characterised by containing an organopolysionane clastanes spheroidal powder with an average particle size of 1.0-15.0 µm. a non-porous spheroidal silica with an average particle size of 1.0-15.0 µm, and an oil.
- organopolystlozana elestomer spheroidal powder with an average particle size of 1.0-15.0 μm is 1.0-30.0 with and the content of the non-porous spheroidal silies with an average particle size of A makeup cosmetic composition as recited in dalm 1, wherein the content of the 1.0-15.0 jun is 5.0-30.0 with, and the content of the oil is 40.0-70.0 with.
- organopolysitoxane electronics spheroidal powder with an average particle size of 1.0-13.0µm is 20-20.0 with and the contont of the non-purous spheroidal silles with an everage particle size of A makeup cosmetic composition as recited in claim 2, wherein the content of the r,

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1.0-15.0 µm is 10.0-25.0 wife, and the content of the all is 48.0-45.0 wife.

DETAILED DESCRIPTION OF THE INVENTION

FIELD OF INDUSTRIAL APPLICATION

The present invention relates to a makeup cosmetic compection, and more specifically relates to a makeup cosmetic composition which does not form clouds of powder or chung together over time, and has a pleasantly dry sensation of use.

CONVENTIONAL ART AND PROBLEMS TO BE SOLVED BY THE INVENTION

Makeup cosmotic compositions come in various formats combining a powder and on oil, such as solid foundations, colid cycahadows, col-based foundations and lip rouges. Additionally pigments, and organic pigments such as sylon, cellulose and tar pigments. These makeup cosmetic computitions usually contain up to 50 w/% of cils in order to prevent powderiness and s are emulsified foundations based on emulsions, but they all contain large amounts of Inarganic pigment powders such as tale, knotin, from oxide, titonium and mica-type pearl proffer a medst sensatio For example, while foundations are normally in a solid powder form with an oil part of 20 w/fs, or less, these types of solid powder foundations are problematic in that the powderines can powder clouding, but there is an oily, eticky feeling which is not pleasant with regard to use, dealnes. Additionally, in oily foundations containing large amounts of oil, there is no ruch cause clouds of powder to form during the makeup process, thus sailing the container or and a clumping effect can be observed over time

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On the other hand, organopolysisoune electioner spheroidal powders with an average particle been and cpated doe to their fevorable propordes, their development has boon left as a problem H2-263612, JP-18 H4-17162, JP-18 H4-66446), but while their application to various products has size of 1.0-15.0 µm have a silky censation when rubbed, and have been recently developed as conventional considerations, and has the object of offering a makeup cosmetic composition powrders for committee use which do not cause discoming or initiation to the aidh (IP-A to be considered in the fature. The present invention has been made in view of these having a silley, soft and dry sensation of use.

MEANS FOR SOLVING THE PROBLEMS

argunapolysilonane electomer spheroidal powder with an average particle size of 1.0-15.0 µm, a The present invention is a makeup cosmetic composition characterized by containing an non-porous spheroidal silica with an average particle size of 1.0-15.0 µm, and an oil.

elastomes ephanddal powder with an average particle size of 1.0-15.0 µm used in the prascost invention makes the texture of the makeup counstic composition smooth when ruibled on the skin, and is necessary to improve the properties of use such as the lightness of spreading. Next, the constitution of the present invention shall be explained. The organopolysticaens

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The type of the hardened organopolysicoane composition used as the raw material for the organopolysicoane elestrums spheroids is power; is soil patigosius properties, and examples incidence and examples of the solid organopolysicoane with a silicon atom-bound vinyl group by an addition reaction in the presence of a platinum-based catalyst; a condensation-reaction-hardened organopolysicoane with a silicon atom-bound vinyl group by an addition reaction in the presence of a platinum-based catalyst; a condensation-reaction-hardened organopolysicoane with a silicon atom atomic by mean of a chardenedge a deorganopolysicoane with a silicon atom atomic by mean of a chardenedge and organopolysicoane with a silicon atom-bound hydrogen atom by mean of a chardenedge and a hydrogen group at both ends of the molecular charle and a hydrogen silicon atom-bound hydrogen atom by mean of a chardenedge and a hydrogen atom by mean of a chardenedge organopolysicoane composition and a hydrogen atomic deministration, described organosilane to the presence of an organic than composition, described and deletonization; a percedde-hardened organopolysicoane and deletonization; a percedde-hardened organopolysicoane composition thermally hardened by an organic percedic exhibits and a high energy beans-hardened organopolysicoane enomposition are deletonization; a percedich-hardened organopolysicoane having at least 1 bare altered end organication having at least 1 bare altered end organication having at least 1 bare altered by a pelatrum-hound pyper leastaly at 1 bare 1 bare 1 bare 1 bar

method of directly spraying an addition-reaction-hardened, condensation-reaction-hardened or organopolysicourse composition as described above with water in the presence of a surfactant roller mill. Due to the ability to obtain small spheroids! particles of uniform particle size, it is pulveriang by means of a publicy known pulvenizer such as a ball mill, atomizer, kneader or organopolysilozanca waten use trustade akyl groups such as mellyl groups, allyl groups, organopolysilozans compositions include akyl groups, such as mellyl groups, allyl groups, organizations organopolyationane electorics spheroidal powder can be obtained by a mathod of mixing an such as a non-tonic surfactant, an amonic surfactant, a cationic surfactant or an emphotestic surfactant, blending uniformly with a homo misur, a colloid mill, a homogenizer or a propelizatype miser, then dispensing into hot water of at least 50 °C to harden and day, a method of spisying an energy tray-hardened organopolysiloxana composition under high groups. 2-phanygropy) groups. 3.3.2-triliuoropropyi groups; myl groups such as phenyl addition-reaction-hardened, condensation-reaction-hardened or peroxidation-hardened peroradation-hardened organopolysicoune composition into a hot air flow to harden; a additton-reaction-hardened, condensation-reaction-hardened, perceidation-hardened or high-margy-hardened organopolysiloxane composition by high energy irradiation, then groups, taby groups and styly groups and substituted monovalent hydrocurbon groups carrying spony groups, carbonylic acid estar groups, mercapin groups or the like. The propyl groups, butyl groups and octyl groups; substituted alleyl groups such as 2-ph Examples of other organic groups that can be bound to the allbon atoms of the organopolysilonance which form the natin agent in the above-described hardened energy irradiation to harden into a powder; or a method of hardening an preferable to use a method of mixing a addition-reaction-hardened,

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condensation-reaction-hardened or providestion-hardened organopolycincane composition as with water in the presence of a surfactant such so a non-tank surfactant, a markent enricatant, a collect surfactant as collect surfactant or an amphotent surfactant, biseding uniformly with a homo mixer, a collect mill, a humogenizar or a propeller-type mixer, then dispensing into hei water of at lexit 50 °C to harden and dry water of at lexit

The details concerning this Ingredient are described in JP-B 14464444, JP-A NZ-ASS-12 and JP-B 14-17-162, and an example of a commercially evaluable product is Triall B-GGCC (Turny-Dow-enving Silicens EXQ. The average particle airs of this ingredient must be 1.0-150 µm. Profestably 1.0-10.0 µm is order to confer to the majoratic composition of the present invention a sally or soft secusion, and to result in a healthy-looking, entural bus. At less than 1.0 µm, the silidness is bot, and at more than 15.0 µm, there is a series of grittiness.

In the present invention, the content of the organopolysilozane electrons reheroidal powder is, Introduced with, presently 20-20.6 with. If the content is less than 1.0 with, the effect of improvement of the properties of use is reduced, and if more than 30.0 with, the adhesion to the skin is lessent of

The non-porous spheroidal silica used in the present invention is obtained, for example, by a nethod of feeding a high-purity silican-based saw antarial powder to a vertical furnace along with a gest flame, and the disponsing the raw naterial inside the flame, melting these in the farm of the farm of the flame and the disponsing the raw naterial inside the flame, melting these in the farm maly compared of silical malydride containing about 1 wife of water (see [F-A 558-14553)). The private particle size is 10-150, jur, preferably the average particle size is 10-150, jur, preferably the average particle size is a third jur in the spread is heavy and if the average particle size is more than 13.0 jur, there is sense of guithests.

The content of the non-porous spheroidal allos in the makeup cosmectic composition is \$0.30.0 with, preferably 10.0-25.0 with. At less than \$0 with, there is no elibrary, and at more than \$0.0 with, the times is lost.

The makeup cosmode composition of the present invention may contain powders aside from the above-mantioned organopolysticuane electromer spheroidal powder and non-porous spheroidal silica. As such powders, there are the following leorganic pigments and organic pigments.

Integrate pigments include tall, leadin, mica, sentile, ellica, magnesium siliante, calcium silicate, aluminam siliante, day mineral powders such as bentonits and monimonitionite, alumina, bandum sulfate, dibasic calcium pinephate, calcium carbonate, hydrated iron cade, hydroxyapatilas, dibasic calcium phenphate, calcium carbonate, hydrated iron cade, hydroxyapatilas, disnium cade of particle size 0.1 um or less, alreanism cade, are cade, hydroxyapatila, iron cade, iron tilanata, ochar, mango violet, cobal violet, drome cade, cobal cade, timate, acid cobalt cabar tilanata. Prustlan blue, ultramatine thae, tilanium cade-costed mica, dimitium cade-costed tale, and composila pigments of two or more of freso types.

Examples of the organic pigment used in the present invention include polyesing, methyr methacylete resin, callulose, 12 nylon, 6 nylon, copolymens of etyrens and scrylic acid, .



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hydrophobidzation process. By performing a hydrophobidzing treatment the cosmetic hold As the method for hydrophobinization using these hydrophobidzing agants, it is sufficient to use conventionally known methods. Examples include the powders obtained by the method s The inorganic pigment and organic pigment used in the present invention may be treated by a without color separation. Examples of hydrophobicizing agents include organic compounds such as deutran fatty acid ester, metal soaps, silicone compounds and dibensylidere sorbital. described in IP-A 562-205165, IP-B 561-58499, IP-B 536-43264, IP-A 554-16404, IP-A 5597/6009, Including water resistance, perspiration resistance and sebum resistance can be improved P-A 560-163973, P-A 563-113081 and P-A 563-113082.

The content of the powdars overall in the makeup cosmetic composition of the present invantion is preferably 30.0-60.0 wt% with respect to the total weight of the makeup cosmette composition. In order to obtain the makeup cosmette composition of the present invention, it can be obtained by homogeneously dispersing and blending a powder containing the expanopolysticoune thistomer spheroidal powder and the porous powder with an oil.

leuric seid, pulmitic seid, olde add, stearic seid, teostearic acid, lanolin, bees was and olive oil, isonitentie acid trigiyozrida, cocomut oli fatty acid trigiyoorida, casios oli, ethanol, ocyj doderanol, hezadocyl alcohol, ocyj alcohol, oleyj alcohol, stoaryl alcohol, ochylane glycol, organopolysitonene fiulds. The content of these club in the makery councile composition of the present invention is 40.0-70.0 with, preferably 43.0-63.0 with. At less than 40.0 with, the spread is heavy and at more than 70.0 with, there is a sense of stickiness. Examples of the oil used here include hydrocarbons each as liquid paraítin, equalane, vasetin polytsobutykane, microcystalline wax, teopropył myristate, myristył octył dodecanol, esters, glycorides, Jower stockols, higher stockols, polytydric slockols, higher fatty acids, or di-(Pethylhexyl) succinate, neopentyl giycoi di-iso-octanous, giyceth monostenate,

In order to obtain the makeup cosmetic composition of the present invention, it is possible to uniformly disperse and blend a powder containing the arganopolysionane electomer pheroidal powder and the non-porous spheroidal silica and the oil.

surfactants, thickeners, preservatives or fragrances as needed. The makeup cosmetic The makeup cosmetic composition of the present invention can further contain water, composition of the present invention can, for example be used as a foundation, blust, eyeshadow or white powder.

EXAMPLES

Next, examples of the present invention shall be described. In the examples, the content is given in with

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Preparation Method] (6), (7), (8) and (9) were mixed at 83 °C, and this was added to the well-sulved and praivatized (1), (2), (9) (4) and (5) while stirring. Next, the result was grind-humogenized in a colloid mill. (10) was added, and after describin, the result poured into a container at 70 °C and cooled.

Black Example 2

Non-porous spheradai silica (avg. part. size 5 µm) Milca Milca Milca Milca Milca Red no. 226 Ceresin Cardellia wa. Squalare

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(Preparation Mathod) The various ingredients were mixed together in the same manner as in Exemple 1 to obtain a blush.

Foundation Example 3

3	Tradit B-SOCC		Š
8	Non-parous spheroidal silics (avg. part. size 10 um)		
3	Kaolin	1	
€	Serfeite	5	
Đ	Manium dioxide	3 5	
E	Silicons-treated red fron oxide	-	
E	Silicono-breated yellow from codide	3	
•	Silicone-treated black iron oxido	2	
3	Aristo wax	3 5	
9	Carnauba wax	3 :	
Ê	Squalane	3 5	
3	Dimetitylpolydlogane	100	
3	Sorbitan sesquioteate	9	

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(14) Fragrance

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[Preparation Method] The various ingredients were mixed together in the same manner as th Example 1 to obtain a foundation.	Foundation		Non-porous spheroidal silica (avg. part. size 10 µm)					Silicono-breshed yellow iron caide						Sorbitan sesquioleste	
paration Med mple 1 to obt	Example 4 Fo	Trefil E-506C								Aristo wax	Cornoube wax	Squalane	_		Fregrance
£3	Exa	3	8	ම	€	9	ତ	ε	9	8	9	E	2	3	Ē

[Preparation Method] The various Ingree Example 1 to obtain a foundation.

3	Trefti 5-306C	2	Ŧ
3	Non-parous spheroidal silica (avg. part. size 10 µm)	8	
ල	Kaolin	E	
€	Sericito	2	
9	Thankum dioxide	10.0	
9	Silicons-treated red iros oxide	15	
E	Silicone-treated yellow from exide	\$	
9	Silkone-treated black from oxide	e E	
6	Aristo wax	\$	
(30)	Osmauba wax	3	
Ē	Squalane	33.0	
2	Dimethylpolyzilozane	10.0	
(E)	Sorbitan sesquiolente	12	
2	Programos	8	

[Freparation Method] . The various ingredients were mixed together in the same manner as in Example 1 to obtain a foundation.

ε	Treffi E-806C	35.0 wt	£
8	Non-porous spheroidal silica (avg. part. sizo 10 μm)	3	

Example 6 Foundation

70 00	92	1.5	3	73	3	ដ	052	98	91	a	r in the sume trumeer us in	
(3) Kaolin (4) Sericlis	(5) Titenium diadde	(6) Silicono-treated red fron codde	(7) Silicone-treated yellow from onide		(9) Aristo wax	(10) Camauba wax	(11) Squaduno	(12) Dimethylpolyzdowns		(14) Fragrance	[Preparation Method] The various ingredients were indued ingether in the same manner as in Example 1 to obtain a foundation.	Example 2 Foundation

refile 1 to obtain a figure 2 Foundat refile 5-506C Non-porous sphe (Saulin Porous sphe Kanlin Sarldta Sarldta Sarldta Sarldta Sarldta Sarldta Sarldta Sarldta Sarldta Flurahum dinade Sarldta Sarldta war Sallcono-treated y Sallcono-treated y Sallcono-treated y Sallcono-treated y Sallcono-treated war Sallcono-treated was Sallcono-treated was Sallcono-treated y Sallcono-treated was Sallc	xindelion.	ē	STAM 970	Non-porous spheroidal silica (avg. part. size 10 µm)		Ot.			•		3	3	900		1.0	8	(Preparation Method) The various ingredients were injured together in the same manner as in
	Example 1 to obtain a foundation.	Foundation	-sneC	rous spherolds!	•		Transum dimdde	Sillicone-freshed zed fron oxide	Silicone-treated yellow from oxide	Silicone-treated black from oxide		ba wax		Dimethylpolyxilosane	Sorbitum sesquitolento	8	(Preparation Method) The varion

Constantive Example 1. Foundation (1) Thefil E-Stoc (2) Xacilin (3) Sericite (4) Tilentum dioxide (5) Silicone-treated red fron codde (6) Silicone-treated yellow fron codde (7) Silicone-treated black fron codde (8) Aristo was (9) Cernauba was (10) Squalane (11) Dimethylpolychans		90 M	Pool	5.0	0'01	1.5	3	6.0	3	1.5	93.0	10.0
3	ngle 1 Foundation				potide		ted yellow from oxide	ted black from ondde		5		lydloxene
	Parellyn Exa	Trefil E-5060	Xaolin	Seridite	Thenlen di	Silicone-tres	Suirone-fres	Sillcone-true	Aristo wex	Cernauba w	Squalone	Dimethylpa





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PAGE 9	0.1	[Preparation Method] The various ingredients were mixed together in the same manner as in
JPA H7258028	(12) Sorbiton sesquioleste (13) Fergrance	[Preparation Method] The various ingredient

	is typus man metaco) – sas varous rigrectents were mused together in the same mannet as in Example 1 to obtain a foundation.	ume manner as in
ä	Comparative Prample 2 Foundation	
3	Non-porous spheroidal affice (avg. part, size 10 µm)	20.0
3	Kaolin	
€	Saridite	95
€	Tharlum dioxide	10.0
ত	Silicone-treated red iron oxide	15
હ	Silicane-treated yellow iron axide	9
E	Sillcone-treated black from mode	3
£	Artisto wax	3
Đ	Camauba wax	1.
9	Squalame	33.0
Ê	Dimethylpolyriloxane	001
3	Sorbitan sesquioleate	91
2	Fragrance	

[Preparation Method] The vertous ingredients were mixed logether in the same manner as in Exemple 1 to obtain a foundation. Next, the exemple compositions obtained in Examples 1.7 and Comparative Examples 1 and 2 were evaluated for [1] dryness, (2) smoothness, (3) spreadability and (5) examples their. The evaluation was performed in a five-stage rating so shown in the following Table 1, and their sverage values were taken to indicate the evaluation results as shown below.

Table 1

ND.	very light
•	some some säghty light somewhat bad
. 43	normal normal normal
~	little little slightly heavy somewhat good
-	none none heavy good
CATECORY	Dryness Smoothruss Spreadability Cosmetic hald

Indication of Evaluation Results:

d above	loce the
45 and ab	at hence 3.0
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et least 1.5, less than 4.5 these than 3.0 less than 1.5

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The results of the above evaluation are shown in Table 2.

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EFFECTS OF THE INVENTION

As described above, the makeup cosmetic composition of the present invention has a high oil content, so that there is no clouding of provider, and no warry that the container or clothes will be solled. Additionally, when rubbed into the sidn, there is no cilimoss or etickiness, thus having no problems with regard to clumping over time.

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